

## RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 09/763,978B  
Source: 1600  
Date Processed by STIC: 10/26/2004

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IFW16

## RAW SEQUENCE LISTING

DATE: 10/26/2004

PATENT APPLICATION: US/09/763,978B

TIME: 15:57:06

Input Set : A:\pto.lm.txt

Output Set: N:\CRF4\10262004\I763978B.raw

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3 <110> APPLICANT: Salceda, Susana
4     Sun, Yongming
5     Recipon, Herve
6     Cafferkey, Robert
8 <120> TITLE OF INVENTION: A NOVEL METHOD OF DIAGNOSING, MONITORING, STAGING, IMAGING
AND TREATING
9     VARIOUS CANCERS
11 <130> FILE REFERENCE: DEX-0172
13 <140> CURRENT APPLICATION NUMBER: 09/763,978B
C--> 14 <141> CURRENT FILING DATE: 2001-04-25
16 <150> PRIOR APPLICATION NUMBER: PCT/US99/19655
17 <151> PRIOR FILING DATE: 1999-09-01
19 <150> PRIOR APPLICATION NUMBER: 60/098,880
20 <151> PRIOR FILING DATE: 1998-09-02
22 <160> NUMBER OF SEQ ID NOS: 16
24 <170> SOFTWARE: PatentIn version 3.1
26 <210> SEQ ID NO: 1
27 <211> LENGTH: 2587
28 <212> TYPE: DNA
29 <213> ORGANISM: Homo sapien
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36 tggagcaatt gcactcatca ttggcttttg tatttcaggg agacactcca tcacagtcac      180
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42 ccatgagttc aaagaaggca aagatgagct gtcggagcag gatgaaatgt tcagaggccg      360
44 gacagcagtg tttgctgata aagtgatagt tggcaatgcc tctttgcggc tgaaaaacgt      420
46 gcaactcaca gatgctggca cctacaaatg ttatatcatc acttctaaag gcaaggggaa      480
48 tgctaaccctt gagtataaaa ctggagcctt cagcatgccg gaagtgaatg tggactataa      540
50 tgccagctca gagaccttgc ggtgtgaggc tccccgatgg ttccccagc ccacagtggc      600
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54 gctgaactct gagaatgtga ccatgaaggt tgtgtctgtg ctctacaatg ttacgatcaa      720
56 caacacatac tcctgtatga ttgaaaatga cattgccaaa gcaacagggg atatcaaagt      780
58 gacagaatcg gagatcaaaa ggcggagtca cctacagctg ctaaaactcaa aggccttctct      840
60 gtgtgtctct tctttctttg ccatcagctg ggcacttctg cctctcagcc cttacctgat      900
62 gctaaaataa tgtgccttgg ccacaaaaaa gcatgcaaag tcattgttac aacagggatc      960
64 tacagaacta tttcaccacc agatatgacc tagttttata tttctgggag gaaatgaatt      1020
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68 aaggctccaa tatgaacaag ataaatctat cttcaaagac atattagaag ttgggaaaat      1140
70 aattcatgtg aactagacaa gtgtgttaag agtgataagt aaaatgcacg tggagacaag      1200
72 tgcaccccca gatctcaggg acctccccct gcctgtcacc tggggagtga gaggacagga      1260
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76 agcccctgga aagtctatcc caacatatcc acatcttata ttccacaaat taagctgtag      1380

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82 cccaactgac aaatgccaaa gttgagaaaa atgatacataa ttttagcata aacagagcag 1560
84 tcggcgacac cgattttata aataaactga gcaccttctt tttaaacaaa caaatgcggg 1620
86 tttattttctc agatgatgtt catccgtgaa tgggtccaggg aaggaccttt caccttgact 1680
88 atatggcatt atgtcatcac aagctctgag gcttctcctt tccatcctgc gtggacagct 1740
90 aagacctcag ttttcaatag catctagagc agtgggactc agctgggggtg atttcgcccc 1800
92 ccctctccgg gggaatgtct gaagacaatt ttggttacct caatgagggg gtggaggagg 1860
94 atacagtgtc actaccaact agtgataaaa ggccagggat gctgctcaac ctctaccat 1920
96 gtacaggacg tctccccatt acaactaccc aatccgaagt gtcaactgtg tcaggactaa 1980
98 gaaaccctgg ttttgagtag aaaagggcct ggaaagaggg gagccaacaa atctgtctgc 2040
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104 ctatgggaaa tgctgatgg gattatcttc agcttggtga gcttctaagt ttctttccct 2220
106 tcattctacc ctgcaagcca agttctgtaa gagaaatgcc tgagttctag ctacaggtttt 2280
108 cttactctga atttagatct ccagacctt cctggccaca attcaaatta aggcaacaaa 2340
110 catatacctt ccataagaca cacacagact tttgaaagca aggacaatga ctgcttgaat 2400
112 tgaggccttg aggaatgaag ctttgaagga aaagaatact ttgtttccag ccccttccc 2460
114 acactcttca tgtgttaacc actgccttcc tggaccttgg agccacgggtg actgtattac 2520
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124 <213> ORGANISM: Homo sapien
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131 agccaggacc tgtgtgggga ggccctcctg ctgccttggg gtgacaatct cagctccagg 180
133 ctacaggagg accgggagga tcacagagcc agcatgttac aggatcctga cagtatcaa 240
135 cctctgaaca gctctgatgt caaacccttg cgaaacccc gtatccccat ggagaccttc 300
137 agaaagggtg ggatccccat catcatagca ctactgagcc tggcgagtat catcattgtg 360
139 gttgtctca tcaaggatgat tctggataaa tactacttcc tctgcgggca gcctctccac 420
141 ttcatcccga ggaagcagct gtgtgacgga gagctggact gtcccttggg ggaggacgag 480
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145 cgatccacac tgcagggtgc ggactcggc acagggaact ggttctctgc ctgtttcgac 600
147 aacttcacag aagctctcgc tgagacagcc tgtaggcaga tgggctacag cagcaaaccc 660
149 acttttcagag ctgtggagat tggcccagac caggatctgg atgttgttga aatcacagaa 720
151 aacagccagg agcttcgcat gcggaactca agtgggcctt gtctctcagg ctccctggtc 780
153 tccttgcact gtcttgctg tgggaagagc ctgaagaccc cccgtgtggt ggggtggggag 840
155 gaggcctctg tggattcttg gccttggcag gtcagcatcc agtacgacaa acagcacgtc 900
157 tgtggaggga gcctcctgga ccccaactgg gtcctcacgg gcagcccact gcttcaggaa 960
159 acataccgat gtgttcaact ggaagggtgc ggcaggctca gacaaactgg gcagcttccc 1020
161 atccctggct gtggccaaga tcatcatcat tgaattcaac cccatgtacc ccaaagacaa 1080
163 tgacatcgcc ctcatgaagc tgcagttccc actcacttct tcaggcacag tcaggcccat 1140
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167 gggctttacg aagcagaatg gaggggaagat gtctgacata ctgctgcagg cgtcagttca 1260
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171 gatgatgtgt gcaggcatcc cgggaagggg tgtggacacc tgccagggtg acagtgggtg 1380

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177 ctacaatgtc tgggaaggctg agctgtaatg ctgctgcccc tttgcagtgc tgggagccgc 1560
179 ttccttcctg ccttgccac ctggggatcc cccaaagtca gacacagagc aagagtcgcc 1620
181 ttgggtacac cctctgccc acagcctcag cttttcttgg agcagcaaag ggcctcaatt 1680
183 cctataagag accctcgcag cccagaggcg cccagaggaa gtcagcagcc ctagctcggc 1740
185 cacacttggt gctcccagca tcccaggag agacacagcc cactgaacaa ggtctcaggg 1800
187 gtattgctaa gccagaagg aactttccca cactactgaa tggaagcagg ctgtcttgta 1860
189 aaagcccaga tctctgtggg ctggagagga gaaggaaagg gtctgcgcca gccctgtccg 1920
191 tcttcaccca tcccgaagcc tactagagca agaaaccagt tgtaataata aatgcactgc 1980
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210 gacattgttg ctagccaacc acatggtcag cctcaaagtt gagaggctca gtaaccctcc 240
212 taccctaga gaattccaaa gtgtggatgt aatttaacta gaaagccatt ggtgactatc 300
214 tgtgatcctc tgggaagtatg ctatgttgtg tatacttgc atccaaagcc agagggaacc 360
216 acaatgacta gtaaacgggt ggtctcaatg cccacttagc ctctgcctct gaatttgacc 420
218 atagtggcgt tcagctgata gagcgggaag aagaaatatg ctttttttat gaaaaataa 480
220 atatccaaga gaagatgaaa ctaaatggag aaattgaaat acatctactg gaagaaaaga 540
222 tccaattcct gaaaatgaag attgctgaga agcaaagaca aatttgtgtg acccagaaat 600
224 tactgccagc caagaggctc ctggatgccg acctagctgt gctccaaatt cagttttcac 660
226 agtgtacaga cagaattaaa gacctggaga aacagttcgt aaagcctgat ggtgagaata 720
228 gagctcgctt ccttcaggag aaagatctga ccgaaaaaga aatgatccaa aaattagaca 780
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240 tgccactcaa taaggaaatt gagaaagaat gggtgaaagt ccttcgagat gaagaaatgc 1140
242 acgccttggc catcgctgaa agtctcagg agttcttggg agcagataat cgccagctgc 1200
244 ccaatggtgt ttacacaact gcagagcagc gtccgaatgc ctacatccca gaagcagatg 1260
246 ccactcttcc tttgccaaa cttatgggtg ctttggctcc ttttaaaccc agtgaacctg 1320
248 gagccaatat gaggcacata aggaaacctg ttataaagcc agttgaaatc tgaatatgtg 1380
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252 aaaatgtgag cataatactt ctaatattat tgataagtaa ggtaaccaca attagtcagc 1500
254 aacagagtac aacagggttt ctatttacc accaactact atacctttca tgacgttgaa 1560
256 tgggacatag aactgtccta catttatgtc aaagtatata tttgaatgc ttatatattc 1620
258 tttttcactc tttatattga gtacattcca gaaatttgta gtaggcaagg tgctataaaa 1680
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264 <211> LENGTH: 257
265 <212> TYPE: DNA

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DATE: 10/26/2004

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Input Set : A:\pto.lm.txt

Output Set: N:\CRF4\10262004\I763978B.raw

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273 atatcttcta tttttaatat gaaagtcttg aaatgtatca gacagaaggg gatttcagtt      180
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290 ccacgtttat cagtgtcccc tggagggaca gtcacactca cttgtggcct ggccctctgac      180
292 tcagtctcta ctaatttctt cccacctggg taccagcaga ccccgagcca ggctccacgc      240
294 acgctcatct acagcacaag cactcgctct tctggggctc ctgacgttt ctctggctcc      300
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307 <223> OTHER INFORMATION: n = a, c, g or t
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313 <223> OTHER INFORMATION: n = a, c, g or t
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321 aaattgcctc catgcagact atgaaactgt tcagcctgct atagttagat ctctggcact      180
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337 ggcagcagtg gcagtggatt gatggggcca tgtatctgta cagatcctgg tctggcaagt      660
339 ccatgggtgg gaacaagcac tgtgctgaga tgagctccaa taacaacttt ttaacttgga      720
341 gcagcaacga atgcaacaag cgccaacact tcctgtgcaa gtaccgacca tagagcaaga      780
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349 tctaaatggt tgccccgcca tccctttcca cagtatcctt cttccctcct ccctgtctc      1020
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355 ccttcagctt ctacaccctt ctgccctctc tccattgcoct gcaccccacc ccagccactc 1200
357 aactcctget tgtttttcct ttggccatgg gaagggtttac cagtagaate cttgctaggt 1260
359 tgatgtgggc catacattcc ttttaataaac cattgtgtac ataagagggt gctgtgttcc 1320
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365 <211> LENGTH: 291
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372 <223> OTHER INFORMATION: n= a, c, g, or t
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380 gtcttaggtt tcattcttcag atgactgggt gaacagcagt gttctttgct aagatgggga 180
382 agactagggg aaagagccag ttctgtattg agcatattat atttaagaca atcccatctg 240
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410 <400> SEQUENCE: 8
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415 tatagaaccg ttttgtgtag cattggaata ttgtccattt tgtaagtcac tgtgaatgtt 180
417 cttaattatc agcttgaagg tatttttgta ttaaaagttg acattgaaga acctaagtg 240
419 atgatgggat ttggggccag tagtgaaagt atgtttcctc taaaatattt ccctaaacag 300
421 tgggtatacat gggtatttta ttatgagatt tgtatatgtt ctgtgtttct ctgtgaacaa 360
W--> 423 tgtttcagtc tctctgtcac catatgtaag gggaagtcca caaatatagn actacattgc 420
425 acaaaaactaa aattgttaat tacaagaaaa tatagggtgct taccttttga aggtttatta 480
427 atacatatgg ttgtcacaat acgtatatat gataaatggg gtacataatac agatgtttat 540
429 ggtgtataaa tttttctata cccaattaga attatcttcc tgattcttta ttcaataaca 600
431 tgctaattcc tcttctatgt tctatagtga cagaatgcta acttttctta taccctggca 660
433 gaggacagag gagtctgggt taggatgggg aactgaattt ttgaacgaaa aggaaagaga 720
W--> 435 aaggatgnnn nnnnnnnnnnn nnnnnnnnnn nnnnnntaat gtttcttagt cattttgatt 780

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RAW SEQUENCE LISTING ERROR SUMMARY  
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Input Set : A:\pto.lm.txt  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:6; N Pos. 6,9  
Seq#:7; N Pos. 277  
Seq#:8; N Pos. 410,728,729,730,731,732,733,734,735,736,737,738,739,740,741  
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Seq#:8; N Pos. 957  
Seq#:12; N Pos. 30,248,383  
Seq#:16; N Pos. 168,169,170,171,172,173,174,175,176,177,178,179,180,181,182  
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Seq#:16; N Pos. 198,199,200,201,202,203,204,205,206,207,208,209,210,211,212  
Seq#:16; N Pos. 213,214,215,216,217,218,219,220,221,222,223,224,225,226,227  
Seq#:16; N Pos. 228,229,230,231,232,233,234,235,236,237

**VERIFICATION SUMMARY**

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Input Set : A:\pto.lm.txt

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L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:317 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0  
L:384 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:240  
L:423 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:360  
L:435 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:720  
L:441 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:900  
L:635 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0  
L:643 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:240  
L:647 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:360  
L:837 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:120  
L:839 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:180